Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/19/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124834	-1	1.77	124708	1.76
Blue	F	SSC	125000	123979	-1	3.40	124259	3.22
Blue	E	FITC	14400	13887	-4	2.55	320	15.16
Blue	D	PE	24713	24316	-2	1.99	556	10.24
Blue	B	PerCP-Cy5-5	31796	31109	-3	3.37	1029	13.94
Blue	A	PE-Cy7	21240	21250	0	5.37	568	28.24
Red	C	APC	41319	41135	-1	3.04	1725	11.18
Red	A	APC-Cy7	21019	20520	-3	3.42	766	11.42
Violet	B	V450	7305	7001	-5	3.61	424	12.39
Violet	A	V500	28652	27620	-4	3.22	691	9.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23304	1.84	563	-6	N/A	N/A	Pass
Blue	F	SSC	57640	1.90	516	4	N/A	N/A	Pass
Blue	E	FITC	59	49.42	489	-2	0.0408	0	Pass
Blue	D	PE	116	36.16	487	0	0.5393	397	Pass
Blue	B	PerCP-Cy5-5	190	34.30	583	-1	0.0222	66	Pass
Blue	A	PE-Cy7	112	67.56	631	1	0.0238	7	Pass
Red	C	APC	398	23.29	574	1	0.0293	168	Pass
Red	A	APC-Cy7	172	26.96	545	0	0.0067	1125	Pass
Violet	B	V450	59	60.40	452	-4	0.0578	1865	Pass
Violet	A	V500	99	34.59	466	-4	0.0250	829	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/19/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.67	-31.48	1.11
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.35	15.99 - 23.99	N/A	N/A	29.99	30.05	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16211

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments